(1) பக்கங்களின் எண்ணிக்கை 62
(2) புதுக்கித் திருப்பிய நாள் July 1888
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணித் துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 2230 W
அச்சகம் / பலவகை

நாள் : 21-7-1888 ~~198~~ .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

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ஆவண, கா-1—18,000—15-6-87.

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21st July 1888, No. 2230 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

From J. W. BRASSINGTON, Esq., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 8th June 1888, No. 414.

With reference to the orders of Government marginally noted, I have the honor to submit revised standard designs for Sub-Registrars' offices, with tiled roof and terraced roof, with specifications and schedules of quantities.

G.O. No. 879 W., dated 16th March 1888.
„ „ 1333 W., „ 7th May „

No. 334 D.

Forwarded for the approval of Government in the Judicial Department.

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

Ootacamund,
16th June 1888.

Referred to the Inspector-General of Registration for remarks.

(By Order.)

(Signed) A. G. CARDEW,
Ag. Under-Secretary.

22nd June 1888.

From G. HAMNETT, Esq., Inspector-General of Registration, to the Chief Secretary to Government, dated Madras, 28th June 1888, G. No. 2700.

With reference to endorsement, Judicial, (returned with plans and papers), dated the 22nd June 1888, on a letter from the Consulting Architect to the Government, submitting revised designs for Sub-Registry offices with tiled roof and terraced roof, I have the honor to state that the accommodation provided in the revised design is precisely the same as that provided in the design sanctioned in 1885, and that so far as departmental needs are concerned, I have no remarks to make.

2. As regards artistic appearances, I am no judge, but I should not omit to mention, for the information of the Government, that in the tiled roof design the "dormer" has been omitted, apparently because it was difficult to build, and still more difficult to keep from leaking.

3. The terraced roof design is about the same. It is to be hoped that wherever this design is adopted by the Public Works Department, the terrace will be carefully and substantially built to prevent it from leaking.

4. The estimate for the two designs does not make provision for any lightning conductors. They may, or may not, be required in some places.

Transferred to the Public Works Department with papers received under endorsement No. 334 D., dated 16th June 1888, returned, and with an intimation that Government in this department approve of the revised type-designs.

(By Order.)

(Signed) A. G. CARDEW,
Ag. Under-Secretary.

7th July 1888.

ORDER—dated 21st July 1888, No. 2230 W., Public Works.

The revised type-designs, with descriptive specifications and estimates of quantities for Sub-Registrars' offices will be circulated to officers of the Public Works Department in supersession of previous type-designs for similar buildings.

2. Lightning conductors are not considered necessary for these buildings.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Judicial Department.

Exd. F. R. Bantleman.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1888} Madras.

PUBLIC WORKS.

Dated July, 21st.

Recd. *Encl.*

G.O., 21st July 1888, No. 2230 W

JULY.

Type-designs

Circulating the revised — with descrip
tive specifications and estimates of quanti
ties for Sub-Registrars' offices in superses
sion of previous type-designs.

2230
3

ANNEXURE.

Revised standard design for a Sub-Registrar's office with terraced roofing.

Descriptive Specification.

Foundations.—A depth of 4 feet is provided in the estimate, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be carried up in English bond two bricks thick, verandah wall one brick thick.

Stone-work.—The stone-slabs under verandah posts should measure 10½″ × 10½″ × 6″ with mortice holes 2″ square and 2″ deep, into which the posts will be tennoned. The steps may also be of stone-slabs, if easily procurable.

Wood-work.—The verandah posts, bressummers and joists should be of Burma or Indian teakwood, well seasoned.

Doors.—Provide a venetian and panel door for the entrance and a strong battened door for the record room (according to the detail shown in the plan for tiled roofing), both doors to be provided with a good Europe rim lock.

Windows.—Venetian windows to be provided for the office and windows with glazed inner shutters, battened outer shutters and iron bars, ¾ inch square, set diagonally, for the record room. The sills of all windows should slope outwards with a small opening under the frame to allow water to flow out. All doors and windows to be provided with strong iron bolts and hinges and hooks for fastening when opened, and the venetians to have wooden buttons for securing when closed.

Sun-shades.—Sun-shades to be provided for each of the end windows of the office.

Roofing.—The roofing of the office and record room will be of "pucka terracing," care being taken that proper slopes are made for drainage towards the weep-holes, which will have shoots made with redwood or teakwood projecting at least 2 feet from the face of the wall. The verandah roof will be of Bengal terrace or of Mangalore tiles, where they are easily obtainable.

Flooring.—The floor may be of square bricks or stone-slabs, if the latter are easily procurable. The record room should be floored with asphalte, ¾ inch thick.

Interior and exterior finishing.—The interior of the building should be plastered and rubbed smooth or plastered and whitewashed. Where good bricks or stone is available, the exterior should be pointed, otherwise plastered.

If the soil is damp, river sand to a depth of 1 foot at least should be laid below the flooring, and the interior walls to a depth of about 3 feet all round plastered with Portland cement half an inch thick. The exterior plinth should also be plastered with cement.

Painting.—The roof timbers, sun-shades, doors and windows to be painted with three coats of Carson's oak paint.

Ventilation.—Holes to be left between the joists measuring 4″ × 6″ sloping outwards and closed with wire-netting of ¾ inch mesh to prevent birds and bats entering.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

Detail measurements.

Detail of work.	Number.	Measurements in feet.			Area of contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations—						
Outer walls	...	108 0	3 6	4 0	1,855	
Cross wall	1	24 6	3 6	4 0		
Verandah wall	...	35 6	2 4½	4 0	337	
Steps	...	12 0	3 6	1 0	42	
					C. feet.	2,234

Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Earth filling in basement—						
Record room	1	25 6	12 0	1 6	747	
Clerks' do.	1	16 0	12 0	1 6		
Registrar's room	1	9 6	12 0	2 6	285	
Verandah	1	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls	...	108 0	3 6	1 6	696	
Cross wall	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4½	1 6	126	
Steps	...	12 0	3 6	1 0	42	
					C. feet.	864
Brick-work in foundations and basement—						
Outer walls footing course ...	...	108 0	2 7½	1 6	522	
Cross wall do. ...	...	24 5¼	2 7½	1 6		
Verandah wall do. ...	...	36 5¼	1 6	1 6	82	
Outer wall above footing course...	...	108 0	1 10½	3 0	749	
Cross wall do. ...	...	25 1½	1 10½	3 0		
Verandah walls do. ...	...	37 1½	0 9	3 0	84	
Steps do.	1	7 6	1 0	0 6	4	
Do. do.	1	9 6	2 0	0 6	10	
Do. do.	1	11 6	3 0	0 6	17	
					C. feet.	1,468
Brick-work in superstructure—						
Outer walls	...	108 0	1 6	13 0	2,106	
Cross wall	1	25 6	1 6	13 9	526	
Parapet	...	109 6	1 1½	1 0	123	
Coping	...	117 0	0 9	0 9	66	
						2,821
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	8	3 6	1 6	5 0	210	
Arch-work as per details ...	...	...	...	...	86	
						392
					C. feet.	2,429
Arch-work over doors and windows—						
Over doors	2	5 6	1 6	1 1½	86	C. feet.
Windows	8	5 0	1 6	1 1½		
Stone-work—						
Under posts	4	0 10½	0 10½	0 6	2	C. feet.
Teakwood wrought and put up—						
Joists	42	13 6	0 3	0 7	83	
Verandah posts	4	0 6	0 6	7 6	8	
Do. bressummers	1	28 0	0 6	0 6	7	
Do. rafters	22	8 6	0 3	0 4	16	

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Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Teakwood wrought and put up—*cont.*						
Verandah pieces at ends	2	7 0	0 3	0 4	1	
Do. planks at ends ...	2	7 0	0 1	1 6	2	
Railing in clerks' room—						
Hand rail	1	9 6	0 3	0 2½	1	
Bottom piece	1	9 6	0 3	0 2½		
Uprights	17	3 0	0 1½	0 1½	1	
Do. at end	1	3 6	0 3	0 3		
					C. feet.	119
Venetian and panel door with frames, &c., complete	1	4 0	...	8 0	32	S. feet.
Batten door with frames complete ...	1	4 0	...	8 0	32	S. feet.
Venetian windows with frames complete— For office	2	3 6	...	5 0	35	S. feet.
Venetian windows with frames and glazed inner shutters complete ...	2	3 6	...	5 0	35	S. feet.
Batten windows with frames, iron bars ¾" square and inner glazed shutters complete— For record room	4	3 6	...	5 0	70	S. feet.
Galvanised iron wire-netting to cover holes between joists	40	0 6	...	0 8	13	S. feet.
Sun-shades complete		2 in number.				
Terrace roofing— For office and record room ...	1	27 0	...	27 0	729 Squares.	S. feet. 7·29
Bengal terrace— For verandah	1	27 6	...	8 0	220 Squares.	S. feet. 2·20
Plastering with chunam interior walls—						
Office and record room	2	75 0	...	9 0	1,350	
Door jambs	2	14 0	...	1 6	42	
Window jambs	8	17 0	...	1 6	204	
Top of parapet	...	109 0	...	1 3	136	
Inside of parapet	...	104 0	...	1 0	104	
						1,836
Deductions—						
Doors	3	4 0	...	5 0	60	
Windows	8	3 6	...	5 0	140	
						200
					S. feet. Squares.	1,636 16·36
Plastering with Portland cement ½ an inch thick—						
Office and record room	2	75 0	...	3 0	450	
Plinth exterior	...	128 0	...	2 3	288	

Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length.	Measurements in feet. Breadth.	Measurements in feet. Depth.	Area or contents.	Total quantity of each description of work.
		FT. IN.	FT. IN.	FT. IN.		
Plastering with Portland cement ½ an inch thick—*cont.*						
Sides of steps	2	2 0	...	1 6	6	
Door jambs	2	6 0	...	1 6	18	762
Deduct—						
Doors	3	4 0	...	3 0	...	36
					S. feet.	726
					Squares.	7·26
Pointing exterior—						
Walls	...	114 0	...	15 6	...	1,767
Deduct—						
Door	1	4 0	...	8 0	32	
Windows	8	3 6	...	5 0	140	172
					S. feet.	1,595
					Squares.	15·95
Flooring with 8 inches square bricks—						
Office	1	25 6	...	12 0	306	
Door piece	1	4 0	...	1 6	6	
Verandah	1	26 0	...	6 6	169	
Steps	1	11 6	...	3 0	35	
					S. feet.	516
					Squares.	5·16
Flooring with asphalte ¾ inch thick over a bed of concrete 4 inches thick—						
Record room	1	25 6	...	12 0	306	
Door piece	1	4 0	...	1 0	4	
					S. feet.	310
					Squares.	3·10
Painting with three coats—						
Joists	42	13 6	...	1 5	803	
Verandah posts	4	2 0	...	7 6	60	
Bressummers	1	27 6	...	2 0	55	
Rafters	22	8 6	...	1 3	234	
Planking at ends	2	7 0	...	3 0	42	
Railing	1	18 0	...	3 0	54	
Venetian and panel door ...	3	4 0	...	8 0	96	
Batten door	2	4 0	...	8 0	64	
Venetian windows ... 4 ×	2	3 6	...	5 0	140	
Do. with glazed shutters 5 ×	2	3 6	...	5 0	175	
Batten windows with glazed shutters and iron bars ... 4 ×	4	3 6	...	5 0	280	
Sun-shades	4	5 0	...	5 0	100	
Do.	2	2 0	...	2 0	8	
					S. feet.	2,111
					Squares.	21·11

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ABSTRACT.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		RS.		RS.	RS.
2,234 C. feet.	Excavation for foundations ...		1,000 C. ft.		
1,243 „	Earth filling in basement		„		
864 „	Concrete in foundations		100 C. ft.		
1,468 „	Brick-work in foundations and basement		„		
2,429 „	Brick-work in superstructure ...		„		
86 „	Arch-work		„		
2 „	Stone-work under posts		C. ft.		
119 „	Teakwood wrought and put up ...		„		
32 Sq. ft.	Venetian and panel door with frames, hooks and rim lock, complete		Sq. ft.		
32 „	Batten door do do. ...		„		
25 „	Venetian windows with frames, hooks, &c., complete		„		
35 „	Venetian windows with frames and glazed inner shutters, hooks, &c., complete		„		
70 „	Battened windows with frames, iron bars and inner glazed shutters, hooks, &c., complete		„		
13 „	Galvanised iron wire-netting ...		„		
2 No.	Sun-shades		Each.		
7·29 Sqs.	Terrace roofing		Square.		
2·20 „	Bengal terrace		„		
16·36 „	Plastering interior walls with two coats of chunam		„		
7·26 „	Plastering with Portland cement ½ an inch thick		Square.		
15·95 „	Pointing exterior walls		„		
5·16 „	Flooring with 8 inches square bricks laid in mortar over a levelling course of wall bricks		„		
3·10 „	Flooring with asphalte ¾ inch thick over a bed of concrete 4 inches thick		„		
21·11 „	Painting with three coats of Carson's paint		„		
	Petty supervision at 2½ per cent.				
	Contingencies at 5 per cent. ...		„		
	Grand Total of estimate ...				

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

MADRAS,
8th June 1888.

Revised standard design for a Sub-Registrar's office with tiled roofing.

Descriptive Specification.

Foundations.—A depth of 4 feet is provided in the quantities, but this should be settled locally in accordance with the nature of the soil.

Walling.—The walls should be carried up in English bond 2 bricks thick, verandah wall 1 brick thick.

Stone-work.—The stone-slabs under verandah posts should be 10½" × 10½" × 6" with mortice holes 2 inches square and 2 inches deep into which the posts will be tenoned. The steps may also be of stone-slabs if easily procurable.

Wood-work.—The verandah posts should be of Burma or Indian teakwood, well seasoned. The rafters and other roof timbers may be of approved country wood.

Doors.—Provide a venetian and panel door for the entrance and a strong battened door for the record room, both doors to be provided with a good Europe rim lock.

Windows.—Venetian windows to be provided for the office, and windows with glazed inner shutters, battened outer shutters, and iron bars ¾ inch square set diagonally for the record room. The sills of all windows should slope outwards with a small opening under the frame to allow water to flow out. All doors and windows to be provided with strong iron bolts and hinges and hooks for fastening when opened and the venetians to have wooden buttons for securing when closed.

Sun-shades.—Sun-shades to be provided for each of the end windows of the office.

Roofing.—The roof will be of the usual flat and pan-tiles or Mangalore tiles; in the latter case, the rafters should be spaced about 2′ 6″ apart centre to centre and a ceiling of ½ inch planking provided.

Flooring.—The floor may be of square bricks or stone-slabs if the latter are easily procurable. The record room should be floored with asphalte ¾ inch thick.

Interior and exterior finishing.—The interior of the building should be plastered and rubbed smooth or plastered and whitewashed. Where good bricks or stone is obtained, the exterior should be pointed, otherwise plastered.

If the soil is damp, river sand to a depth of 1 foot at least should be laid below the flooring, and the interior walls to a depth of about 3 feet all round plastered with Portland cement half an inch thick. The exterior plinth should also be plastered with cement.

Painting.—The roof timbers, sun-shades, doors and windows to be painted with three coats of Carson's oak paint.

Ventilation.—For ventilation, the spaces between the rafters measuring about 15″ × 6″ and sloping outwards may be left open and galvanised iron wire-netting of ⅝ inch mesh nailed in between to prevent birds and bats entering.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

Detail measurements.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Excavation for foundations—						
Outer walls	...	108 0	3 6	4 0	1,855	
Cross wall	1	24 6	3 6	4 0		
Verandah wall	...	35 6	2 4½	4 0	337	
Steps	...	12 0	3 6	1 0	42	
					C. feet.	2,234
Earth filling in basement—						
Record room	...	25 6	12 0	1 6	747	
Clerks' room	...	16 0	12 0	1 6		
Registrar's room	...	9 6	12 0	2 6	285	
Verandah	...	24 6	5 9	1 6	211	
					C. feet.	1,243
Concrete—						
Outer walls	...	108 0	3 6	1 6	696	
Cross wall	1	24 6	3 6	1 6		
Verandah wall	...	35 6	2 4½	1 6	126	
Steps	...	12 0	3 6	1 0	42	
					C. feet.	864
Brick-work in foundations to floor level—						
Outer wall footing course ...	...	108 0	2 7½	1 6	522	
Cross do. do. ...	...	24 5½	2 7½	1 6		
Verandah do. do. ...	...	36 5½	1 6	1 6	82	
Outer wall above footing course..	...	108 0	1 10½	3 0	749	
Cross wall	...	25 1½	1 10½	3 0		

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Detail measurements—*cont.*

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
		FT. IN.	FT. IN.	FT. IN.		
Brick-work in foundations to floor level—*cont.*						
Verandah wall above	...	37 1½	0 9	3 0	84	
Steps	...	7 6	1 0	0 6	4	
Do.	...	9 6	2 0	0 6	10	
Do.	...	11 6	3 0	0 6	17	
					C. feet.	1,468
Brick-work in superstructure—						
Outer walls	...	108 0	1 6	12 6	2,025	
Cross wall	1	25 6	1 6	21 6	822	
Gables	2	28 6	1 6	4 9	406	
						3,253
Deductions—						
Doors	2	4 0	1 6	8 0	96	
Windows	8	3 6	1 6	5 0	210	
Arch-work as per details... ...	...	...	...	...	86	
						392
					C. feet.	2,861
Arches over doors and windows—						
Over doors	2	5 6	1 6	1 1½	86	C. feet.
Windows	8	5 0	1 6	1 1½		
Stone-work—						
Under posts	4	0 10½	0 10½	0 6	2	C. feet.
Wood-work—						
Wall-plates	3	26 0	0 4	0 3	7	
Rafters	36	18 6	0 3	0 7	97	
Railing in clerks' room—						
Hand rail	1	9 6	0 3	0 2½	1	
Bottom piece	1	9 6	0 3	0 2½		
Uprights	17	3 0	0 1½	0 1½	1	
Do. at end	1	3 6	0 3	0 3		
Verandah—						
Posts	2	0 6	0 6	8 0	7	
Do.	2	0 6	0 6	6 6		
Brackets	2	1 0	0 6	0 4	1	
Do.	2	0 7½	0 6	0 6		
Bressummers	2	10 0	0 6	0 6	5	
Do. piece at ends ...	2	7 0	0 3	0 4	1	
Valley rafters	2	11 0	0 3	0 5	3	
Do. ridge	1	8 6	0 3	0 5		
Rafters	16	9 6	0 2½	0 4	15	
Do. small rafters	10	6 0 average length.	0 2½	0 4		
Collar piece	1	6 0	0 3	0 3	1	
Finial	1	4 6	0 3	0 3		
Barge planks	2	7 0	0 6	0 1	1	
Do.	2	2 6	1 6	0 1	1	
Planking at ends	2	7 0	0 1	2 6	3	
					C. feet.	144
Venetian and panel doors with frames complete	1	4 0	...	8 0	32	Sq. feet.

Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length. FT.	IN.	Breadth. FT.	IN.	Depth. FT.	IN.	Area or contents.	Total quantity of each description of work.
Batten door with frames complete ...	1	4	0	...		8	0	32	Sq. feet.
Venetian windows with frames complete for office	2	3	6	...		5	0	35	Sq. feet.
Venetian windows with glazed inner shutters for office	2	3	6	...		5	0	35	Sq. feet.
Batten windows with frames, iron bars, and inner glazed shutters for record room	4	3	6	...		5	0	70	Sq. feet.
Galvanised iron wire-netting between joists	2	26	0	...		0	8	35	Sq. feet.
Sun-shades		2 in number.							
Tiled roofing—									
Office and record room	2	29	6	...		~~37~~ 15	~~6~~ 9	~~2,213~~ 1106	
Verandah	1	22	9	...		8	0	242	
Do.	1	7	6	...		8	0		
								Sq. feet. Squares.	~~2,455~~ 1,348 ~~24·55~~ 13·48
Plastering—									
Office and record room	2	75	0	...		14	6	2,175	
Door jambs	2	14	0	...		1	6	42	
Window jambs	8	17	0	...		1	6	204	2,421
Deductions—									
Doors	3	4	0	...		5	0	60	
Windows	8	3	6	...		5	0	140	200
								Sq. feet. Squares.	2,221 22·21
Plastering with Portland cement ½ an inch thick—									
Office and record room	2	75	0	...		3	0	450	
Door jambs	2	6	0	...		1	6	18	
Plinth exterior	...	128	0	...		2	3	288	
Sides of steps	2	2	0	...		1	6	6	
								Sq. feet. Squares.	762 7·62
Pointing exterior—									
Walls	...	114	0	...		12	0	1,368	
Gables	2	28	6	...		4	9	271	1,639
Deduct—									
Door	1	4	0	...		8	0	32	
Windows	8	3	6	...		5	0	140	172
								Sq. feet. Squares.	1,467 14·67

Corrections made
* *, Vide Consulting Architect's No 1568 d/ 18-7-91
and G. O. No. 2015 W d/ 27-7-91.

Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet. Length. FT.	IN.	Breadth. FT.	IN.	Depth. FT.	IN.	Area or contents.	Total quantity of each description of work.
Flooring with 8 inches square bricks—									
Office	1	25	6	...		12	0	306	
Door piece	1	4	0	...		1	6	6	
Verandah	1	26	0	...		6	6	169	
Steps	1	11	6	...		3	0	35	
								Sq. feet. Squares.	516 5·16
Flooring with asphalte ¾ inch thick over a bed of concrete 4 inches thick—									
Record room	1	25	6	...		12	0	306	
Door piece	1	4	0	...		1	0	4	
								Sq. feet. Squares.	310 3·10
Painting with three coats of Carson's paint—									
Rafters	36	18	6	...		1	5	944	
Railing	...	18	0	...		3	0	54	
Verandah—									
Posts	2	2	0	...		7	6	54	
Do.	2	2	0	...		6	0		
Brackets	2	1	0	...		1	3	3	
Do.	2	1	0	...		1	6	3	
Bressummers	2	10	0	...		2	0	40	
Piece at end	2	7	0	...		0	6	7	
Valley rafter and ridge	...	30	0	...		1	0	30	
Rafters	...	212	0	...		0	10½	186	
Collar piece and finial	...	10	6	...		1	0	11	
Planks	2	7	0	...		1	1	15	
Do.	4	2	6	...		1	6	15	
Do.	4	7	0	...		2	6	70	
Venetian and panel door ...	3	4	0	...		8	0	96	
Batten door	2	4	0	...		8	0	64	
Venetian windows ... 4 ×	2	3	6	...		5	0	140	
Do. with glazed shutters 5 ×	2	3	6	...		5	0	175	
Batten windows with shutters and iron bars ... ... 4 ×	4	3	6	...		5	0	280	
Sun-shades	4	5	0	...		5	0	100	
Do.	4	2	0	...		2	0	16	
								Sq. feet. Squares.	2,303 23·03

ABSTRACT.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		RS.		RS.	RS.
2,234 C. feet.	Excavation for foundations		1,000 C. feet.		
1,243 ″	Earth filling in basement		″		
864 ″	Concrete in foundations		100 C. feet.		
1,468 ″	Brick-work in foundations and basement		″		
2,861 ″	Brick-work in superstructure ...		″		
86 ″	Arch-work		″		
2 ″	Stone-work under posts		C. feeet.		
144 ″	Teakwood wrought and put up ...		″		
32 Sq. feet.	Venetian and panelled door with frames, hooks and rim lock, complete		Sq. feet.		
32 ″	Batten door with frames, hooks, and rim lock, complete		″		
35 ″	Venetian windows with frames, hooks, &c., complete		″		
35 ″	Venetian windows with frames and glazed inner shutters, hooks, &c., complete		″		
70 ″	Battened windows with frames, iron bars, and inner glazed shutters, hooks, &c., complete		″		
35 ″	Galvanised iron wire-netting fixed.				
2 No.	Sun-shades		Each.		
× 1348 ~~24·55~~ Squares.	Tiled roofing with flat and pan-tiles and teak reepers		Square.		
22 21 ″	Plastering interior walls with two coats of chunam		″		
7·62 ″	Plastering interior walls with Portland cement ½ an inch thick ...		″		
14·67 ″	Pointing exterior walls		″		
5·16 ″	Flooring with 8-inch square bricks laid in mortar over a levelling course of wall bricks		″		
3·10 ″	Flooring with asphalte ¾ inch thick over a bed of concrete 4 inches thick		″		
23·03 ″	Painting with three coats of Carson's paint		″		
	Petty supervision at 2½ per cent.				
	Contingencies at 5 per cent ...		″		
	Grand Total of Estimate ...				

Madras,
8th June 1888.

(Signed) J. W. BRASSINGTON,
Consulting Architect to Government.

correction made
× Vide C. A. letter No. 1568 d/ 18-7-91 & G.O. No. 2015 W d/ 27-7-

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No. 1. P. W. D.

Office of the Consulting Architect to Govt.,
Chepak, Madras,
8th June 1888.

So. 414

2239
8

From
J. W. Brassington, Esq.,
Consulting Architect
to the Government of Madras,

To
The Chief Engineer
Public Works Department

Sir,

Enclosures 6.

G.O. No. 579 W d/: 16th March 1888
" No. 1333 W d/: 7th May 1888

With reference to the orders of Government marginally noted, I have the honor to submit revised standard designs for Sub Registrars Offices with tiled roof and terraced roof, with specifications & schedules of quantities.

I have the honor to be
Sir
your Most obedient Servant

J. W. Brassington
Consulting Architect
to Government.

[illegible] 1243 – 4 – 6 – 88
Br 1332 – 7 – 3 – 88
[illegible] 732 – 21 – 2 – 88
Br 879 – 16 – 3 – 88
[illegible] 315 – 7 – 2 – 88
Br 163 – 16 – 1 – 88
Br 509 – 18 – 2 – 83
416 – 6 – 2 – 88
[illegible] 2811 A – 21 – 12 – 87
Br 2324 – 28 – 11 – 87

No 879 W a/ 16.3.88
" 414 W a/ 6.2.88
" 509 W a/ 15.2.88
" 163 W a/ 16.1.88
" 3234 W a/ 28.11.87
" 1333 W a/ 7.6.88
" 1049 W a/ 5.5.85

2P

No 334 D
P.W. Department
Ootacamund 16th June 1888.

CURRENT NO. ~~26~~53

Forwarded for the approval of Government in the Judicial Department

/

John [illegible] Col R.E.
Secy to Govt P.W. Dept

3P

13.6.88

Referred to the Inspector General of Registration for remarks, ~~in continuation of G.O. 24 March 1888 No 732 Jl~~

(by order)
A.G. Cardew
Ag. Under Secy.

0
13/6. 5.S. 87.6

~~P.W.C No 6477~~

Judicial ~~P.W.D~~
CURRENT NO. 2653

from
The Consulting Architect
to the Government of Madras.

To
The Chief Engineer
P.W.D

No 414
R/ 18/6/88
Dated 8th June 1888

Encls. 6 8

Subject.

Submitting Revised standard designs with schedules of quantities for Registrars Offices with tiled roof & terraced roof.

Endorsed

Registration Department.
G.O. No 2700
CURRENT NO. 2800

4P

From,
Geo. Hamnett Esqr.
Inspector General of Registration
Madras.

To,
The Honorable H.E. Stokes.
Chief Secretary to the Government.
Ootacamund.

Madras the 28th June 1888.

Sir,

Returned with plans and papers.

With reference to endorsement Judicial dated the 22d June 1888, on a letter from the Consulting Architect to the Government, nitting revised designs for sub registry offices with tiled roof and terraced roof, I have the honor to state that the accommodation provided in the revised design is precisely the same as that provided in the design sanctioned in 1885, and that as far as departmental needs are concerned, I have no remarks to make.

2. As regards artistic appearances, I am no judge. but I should not omit to mention for the information of the Government, that in the tiled roof design the "Dormer" has been omitted, apparently because it was difficult to build, and still more difficult to keep from leaking.

3. The terrace roof design is about the same. It is to be hoped that wherever this design is adopted y the Public Works Department, the terrace will be carefully and substantially built to prevent it from leaking.

4. The estimate for the two designs does not make provision for any lightning conductors. They may, or may not, be re[illegible]ired in some places.

I ha[illegible]onour to be,

Your most obedient servant,

Inspector General of Registration

1243 [illegible]
732 [illegible]
314 — 7 — 2 [illegible]
[illegible] 414 — 6 — 2 — 88
2511 — 21 — 12 — 87
[illegible] — 12 — 2 — 88

P.W.C. No 6865
to
Current 2800

6P.

SECRETARY TO GOVERNMENT
7, 88
P.W. DEPARTMENT, MADRAS.

A.M.

Judicial Department
"[illegible]"
Registration

From,
The Inspector General
of Registration
Madras

No. 10 [illegible]

To,
The Chief Secretary to the
Government
Ootacamund

Recd 13.7.88

Dated 28th } June 1888.
Received 30 }
Recd in P.W.D. 9.VII.88 } No. 2700.
G.O. No 2653 W.
Enclosures – Eight
No.

Submitting remarks with reference to Endorsement Judl. dated 22nd June 1888 on a letter from the Consulting Architect to Govt. submitting revised designs for sub registry offices with tiled and terraced roofs.

Transferred to the P.W.D. with papers received under endorsement No 334 D dated 16th June 1888 returned & with an intimation that Govt. in this Dept. approve of the revised type designs.

(by order)
A. G. Cardew.
Asst Under Secy

57 [illegible]

G.O. No 7383 W dated 7.5.88
B. No 879 W " 16.3.88
G.O. No 163 W " 16.1.88
" No 3234 W " 28.11.87
" 1049 W " 5.5.88

[illegible] 5.40:7.
C. 13.7.88 R. 21.7.88.

Revised Standard Design for Sub Registrars Office with Terraced Roof

Descriptive Specification

Foundations — A depth of 4 feet is provided in the estimate but this should be settled locally in accordance with the nature of the soil.

Walling — The walls should be carried up English bond 2 bricks thick. Verandah wall 1 brick thick.

Stonework — The Stone slabs under verandah posts should measure [illegible] x 10 [illegible] with mortice holes 2" square and [illegible] which the posts will be tenoned [illegible] may also be of Stone Slabs if such pro

Woodwork — The Verandah posts, bressummers and joists should be of Burmah or [illegible] teakwood, well seasoned.

Doors — Provide a venetian and panel for the Entrance and a strong battened for the record room, (according to the de[illegible] shewn in the plan for tiled roofing) [illegible] doors to be provided with a good sa[illegible] lock.

Windows — Venetian windows to be provided the office, and windows with hinged [illegible]

ned outer Shutters and iron bars 3/4 inch
uare, set diagonally, for the Record room.
e Sills of all windows should slope outwards
ith a small opening under the frame to allow
vater to flow out. All doors and windows to
be provided with strong iron bolts and hinges
hooks for fastening when opened, and the
ns to have wooden buttons for securing
closed.

Sunshades

Sunshades to be provided for each
windows of the office.

Roofing

roofing of the office and Record
of "pucka terracing" care being
proper slopes are made for drainage
the weep-holes, which will have shoots
le with redwood or teakwork projecting
out 2 feet from the face of the wall. The
dah roof will be of Bengal terrace, or
Mangalore tiles where they are easily
nable.

Flooring

The floor may be of Square bricks or
bs if the latter are easily procurable.
room should be floored with asphalte
thick.

Interior & Exterior finishing

The interior of the building should be
d rubbed smooth or plastered

2340
14

and whitewashed. Where good bricks or stone is available the exterior should be pointed, otherwise plastered.

If the soil is damp, river sand to a depth of 1 foot at least, should be laid below the flooring, and the interior walls to a depth of about 3 feet all round plastered with Portland cement ½ an inch thick. The exterior plinth should also be plastered with cement.

Painting

The roof timbers, sunshades, doors and windows to be painted with 3 coats of Carson's oak paint.

Ventilation

Holes to be left between the joists measuring 4" x 6" sloping outwards and closed with wire netting of ¾ inch mesh to prevent birds and bats entering.

Consulting Architect to Govt.

J 2653/3 9/98

2330/15

11

ESTIMATE FORM.—Abst act.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
2234 Cft	Excavation for foundations		1000 cft		
1243 "	Earthfilling in basement		"		
864 "	Concrete in foundations		100 cft		
1468 "	Brickwork in foundations and basement		"		
2429 "	Brickwork in Superstructure		"		
86 "	Archwork		"		
2 "	Stonework under posts		cft		
119 "	Teakwork wrought and put up		"		
32 Sqft	Venetian and panel door with frames hooks and rim lock complete		Sqft		
32 "	Batten door. do do		"		
35 "	Venetian windows with frames hooks &c complete		"		
35 "	Venetian windows with frames and glazed inner shutters hooks &c complete		"		
70 "	Battened windows with frames iron bars and inner glazed Shutters hooks &c complete		"		
13 "	Galvanized iron wire netting		"		
2 No	Sunshades		Each		
7.29 Sqres	Terrace roofing		Sqre		
2.20 "	Bengal terrace		"		
16.36 "	Plastering interior walls with 2 coats of chunam		"		

Grand Total of Estimate ..

STATION }
Dated }

Executive Engineer.

P. W.
No.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

To accompany the Detailed Estimate No. of 188 -8 for*

* Here enter the name and description of work in full.

2230/16 102

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
		RS.		RS.	RS.
7·26 Sqrs	Plastering with Portland Cement ½ an inch thick		Sqre		
15·95 "	Pointing Exterior walls		"		
5·16 "	Flooring with 8 inches square bricks laid in mortar over a levelling course of wall bricks		"		
3·10 "	Flooring with asphalte ¾ inch thick over a bed of Concrete 4 inches thick		"		
21·11 "	Painting with 3 Coats of Carson's paint		"		
	Petty Supervision at 2½ percent				
	Contingencies at 5 percent				
	Grand Total of Estimate				

STATION Madras
Dated 8th June 1888

~~Executive Engineer~~
Consulting Architect to Govt

P. W.
No.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for *
Constructing a Sub Registra
office with terraced roofin

* Here enter the name and description of work in full.

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1 2330/17 13

[P. W. D. Code.—Paras. 821, 931.]

P. W. D. Form
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Measurements in Feet. Breadth.	Measurements in Feet. Depth.	Area or Contents.	Total Quantity of each description of Work.
Excavation for foundations						
outer walls		108-0	3-6	4-0	1855	
Cross wall	1	24-6	3-6	4-0		
Verandah wall		35-6	2-4½	4-0	337	
Steps		12-0	3-6	1-0	42	
					Cubic feet	2234
Earth filling in basement						
Record room	1	25-6	12-0	1-6	747	
Clerks "	1	16-0	12-0	1-6		
Registrar -	1	9-6	12-0	2-6	285	
Verandah	1	24-6	5-9	1-6	211	
					Cubic feet	1243
Concrete						
outer walls		108-0	3-6	1-6	696	
Cross wall	1	24-6	3-6	1-6		
Verandah wall		35-6	2-4½	1-6	126	
Steps		12-0	3-6	1-0	42	
					Cubic feet	864
rickwork in foundations & basement						
uter walls footing course		108-0	2-7½	1-6	522	
Cross wall do		24-5½	2-7½	1-6		
erandah wall do		36-5½	1-6	1-6	82	
				Carried over	604	

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Brought forward Cubic feet					614	
Brickwork in foundations of basement (Continued)						
outer wall above footing course	.	108-0	1-10½	3-0	749	
Cross wall do	.	20-1½	1-10½	3-0		
Verandah wall do	.	37-1½	0-9	3-0	84	
Steps do	1	7-6	1-0	0-6	4	
do do	1	9-6	2-0	0-6	10	
do do	1	11-6	3-0	0-6	7	
Cubic feet						1468
Brickwork in Superstructure						
outer walls	-	108-0	1-6	13-0	2106	
Cross wall	1	25-6	1-6	13-9	526	
Parapet	.	109-6	1-1½	1-0	123	
Coping	.	117-0	0-9	0-9	66	2821
Deductions						
Doors	2	4-0	1-6	8-0	96	
Windows	8	3-6	1-6	5-0	210	
Archwork as per details					86	392
Cubic feet						2429
Archwork over doors and windows over doors windows	2 8	5-6 5-0	1-6 1-6	1-1½ 1-1½	86	Cubic feet
Stonework under posts	[illegible]	[illegible]	[illegible]	0-6	2	Cubic feet
Teakwork wrought and put up						
Joists	42	13-6	0-3	0-7	83	
Verandah posts	4	0-6	0-6	7-6	8	
Do Bressummers	1	28-0	0-6	0-6	7	
Do Rafters	22	8-6	0-3	0-4	16	
Carried over c.ft					114	

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3 2284/B 14

[P. W. D. Code.—Paras. 921, 931.]

P. W. D. Form No. M-204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Brought forward Cubic feet					114	
Verandah pieces at ends	2	7-0	0-3	0-4	1	
Do planks at do	2	7-0	0-1	1-6	2	
Railing in clerks room						
Hand rail	1	9-6	0-3	0-2½	1	
Bottom piece	1	9-6	0-3	0-2½		
Uprights	17	3-0	0-1½	0-1½	1	
do at end	1	3-6	0-3	0-3		
Cubic feet						119
Venetian and panel door with frames &c complete	1	4-0	-	8-0	32	Square feet
Batten door with frames complete	1	4-0	-	8-0	32	Square feet
Venetian windows with frames complete for office	2	3-6	-	5-0	35	Square feet
Venetian windows with frames and glazed inner Shutters complete	2	3-6	-	5-0	35	Square feet
Batten windows with frames, Iron bars ¾" square and inner glazed Shutters complete for Recordroom	4	3-6	-	5-0	70	Square feet

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Galvanized iron wire netting to cover holes between Joists	40	2- 6	[illegible]	[illegible]	13 Square feet	
Sunshades complete	2 in number					
Terrace roofing						
for office and record room	1	27- 0	-	27- 0	729 Square feet Squares 7.29	
Bengal terrace						
for verandah	1	27- 6	-	8- 0	220 Sq feet Squares 2.20	
Plastering with chunam interior walls						
office and record room	2	75- 0	-	9- 0	1350	
Door Jambs	2	4- 0	-	1- 6	42	
Window Jambs	8	17- 0	-	1- 6	204	
top of parapet	·	109- 0	-	1- 3	136	
inside of do	·	104- 0	-	1- 0	104	1836
Deductions						
Doors	3	4- 0	-	5- 0	60	
Windows	8	3- 6	-	5- 0	140	200
					Square feet	1636
					Squares	16.36

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Plastering with Portland cement ½ an inch thick						
Office and record room	2	75- 0	-	3- 0	450	
plinth exterior	·	128- 0	-	2- 3	288	
Sides of Steps	2	2- 0	-	1- 6	6	
Door Jambs	2	6- 0	-	1- 6	18	762
Deduct						
Doors	3	4- 0	-	3- 0		36
					Square feet	726
					Squares	7.26
Pointing exterior						
Walls	·	114- 0	-	15- 6		1767
Deduct						
Door	1	4- 0	-	8- 0	32	
Windows	8	3- 6	-	5- 0	140	172
					Square feet	1595
					Squares	15.95
Flooring with 8 inches square brick						
office	1	25- 6	-	12- 0	306	
door piece	1	4- 0	-	1- 6	6	
Verandah	1	26- 0	-	6- 6	169	
Steps	1	11- 6	-	3- 0	35	
					Square feet	516
					Squares	5.16

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Flooring with asphalte 3/4 inch thick over a bed of concrete 4 inches thick						
Record room	1	25-6	×	12-0	306	
Door piece	1	4-0	–	1-0	4	
			Sq feet		310	
					Squares	3-10
Painting with 3 Coats						
Joists	42	12-6	–	1-6	803	
Verandah posts	4	2-0	–	7-6	60	
Bressummers	1	27-6	–	2-0	55	
Rafters	22	8-6	–	1-3	234	
Planking at ends	2	7-0	–	3-0	42	
Railing	1	18-0	–	3-0	54	
Venetian and panel door	3	4-0	–	8-0	96	
Batten door	2	4-0	–	8-0	64	
Venetian windows 4×	2	3-6	–	5-0	140	
do with glazed shutters 5×	2	3-6	–	5-0	175	
Batten windows with glazed Shutters and iron bars 4×	4	3-6	–	5-0	280	
Sunshades	4	5-0	–	5-0	100	
do	2	2-0	–	2-0	8	
			Square feet		2111	
					Squares	21-11

~~2230~~ 16

Revised Standard design for a Sub-Registrar's Office with tiled roofing

Descriptive Specification

Foundations — A depth of 4 feet is provided in the quantities but this should be settled locally in accordance with the nature of the soil.

Walling — The walls should be carried up in English bond 2 bricks thick. Verandah walls 1 brick thick.

Stonework — The stone slabs under verandah posts should be 18" × 18" × 6" with mortice holes 2 inches square and 2 inches deep into which the posts will be tenoned. The steps may also be of stone slabs if easily procurable.

Wood work — The verandah posts should be of Burmah or Indian teakwood, well seasoned. The rafters and other roof timbers may be of approved country wood.

Provide a Venetian and panel door for the entrance and a strong battened door for the record room, both doors to be provided with a good Europe rim lock.

Windows — Venetian windows to be provided for the Office, and windows with glazed inner shutters battened outer shutters and iron bars

3/2

3/4" Square Set diagonally for the Record room. The sills of the windows should slope outwards with a small opening under the frame to allow water to flow out. All doors and windows to be provided with strong iron bolts and hinges and hooks for fastening when opened and the Venetians to have wooden buttons for securing when closed.

Sunshades

Sunshades to be provided for each of the end windows of the office.

Roofing

The roof will be of the usual flat and pantiles or Mangalore tiles, in the latter case the rafters should be spaced about 2'-6" apart centre to centre and a ceiling of 1/2 inch planking provided.

Flooring

The floor may be of square bricks or stone slabs if the latter are easily procurable. The Record room should be floored with asphalte 3/4 inch thick.

Interior and Exterior finishing

The interior of the building should be plastered and rubbed smooth or plastered and whitewashed. Where good bricks or stone is obtainable the Exterior should be pointed, otherwise [illegible]cered.

If the soil is damp, river sand to a depth of 1 foot at least should be

laid

laid below the flooring, and the interior walls to a depth of about 3 feet all round plastered with Portland cement 1/2 an inch thick. The Exterior plinth should also be plastered with cement.

Painting

The roof timbers, sunshades doors and windows to be painted with 3 coats of Carson's oak paint.

Ventilation

For Ventilation, the spaces between the rafters measuring about 15" x 6" and sloping outwards may be left open and galvanised iron wire netting of 3/4 inch mesh nailed in between to prevent birds and bats entering.

J W Brassington

Consulting Architect to Govt

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	TOTAL.
		RS.		RS.	RS.
2,234 cft	Excavation for foundations		1000 cft		
1243 "	Earth filling in basement		"		
864 "	Concrete in foundations		100 cft		
1,468 "	Brickwork in foundations and basement		"		
2,861 "	Brickwork in Superstructure		"		
86 "	Archwork		"		
2 "	Stonework under posts		cft		
144 "	Teakwork wrought and put up		"		
32 sqft	Venetian and panelled door with frames hooks and rim lock complete		sqft		
32 "	Batten door do. do. do		"		
35 "	Venetian windows with frames hooks &c. complete		"		
35 "	Venetian windows with frames and glazed inner shutters hooks &c complete		"		
70 "	Battened windows with frames iron bars and inner glazed shutters hooks &c complete		"		
35 "	Galvanized iron wire netting fixed		"		
2 No	Sunshades		Each		
13.48 ~~24.56~~ Sqrs	Tiled roofing with flat and pan tiles and teak reepers		Sqre		
	Grand Total of Estimate				

STATION }

Dated } × correction made vide C. E. Lett. No 1568 d/ 18-7-91 & G. Lr No 2015 d/ 27-7-91. Executive Engineer.

,000—14-10-87.

P. W. D. Fo
No. M. 20

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for

* Here enter the name and description of work in full.

23/33

19

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount	Total.
		RS.		RS.	RS.
22·21 sqrs	Plastering interior walls with 2 Coats of chunam		Sqre		
70·62 "	Do Do with Portland Cement ½ an inch thick		"		
14·67 "	Painting Exterior walls		"		
6·16 "	Flooring with 8" Square bricks laid in mortar over a levelling course of wall bricks		"		
3·10 "	Flooring with asphalte ¾ inch thick over a bed of concrete 4 inches thick		"		
23·03 "	Painting with 3 Coats of Carson's paint		"		
	Petty Supervision at 2½ per cent				
	Contingencies at 5 per cent				
	Grand Total of Estimate				

STATION Madras }
Dated 8th June 1888 }

Consulting Architect to Govt.

,000—14-10-87.

P. W. D. Fo
No. M 207

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.

of 188 -8 for * Construction [illegible] Sub Regi
office with tiled roofin)

* Here enter the name and description of work in full.

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1 2230/24 20

. W. D. Code.—Paras. 921, 931.]

P. W. D. Form
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Excavation for foundations						
outer walls	-	108-0	3-6	4-0	1855	
Cross wall	1	24-6	3-6	4-0		
Verandah wall	-	35-6	2-4½	4-0	337	
Steps	-	12-0	3-6	1-0	42	
					Cubic feet	2234
Earth filling in basement						
Record room	-	25-6	12-0	1-6	747	
Clerks do	-	16-0	12-0	1-6		
Registrar do	-	9-6	12-0	2-6	285	
Verandah	-	24-6	5-9	1-6	211	
					Cubic feet	1243
Concrete.						
outer walls	-	108-0	3-6	1-6	696	
Cross wall	1	24-6	3-6	1-6		
Verandah wall	-	35-6	2-4½	1-6	126	
Steps	-	12-0	3-6	1-0	42	
					Cubic feet	864
Brickwork in foundations to floor level.						
outer wall - footing course	-	108-0	2-7½	1-6	522	
cross do do	-	24-5½	2-7½	1-6		
Verandah do do	-	36-5½	1-6	1-6	82	
outer wall above footing course	-	108-0	1-10½	3-0	749	
cross wall	-	25-1½	1-10½	3-0		
				Carried over c.ft.	1353	

20,000—14-10-87.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Brought forward cub feet					1353	
Brickwork ~~for~~ in foundations to floor level - (Continued)						
Verandah wall above		37·1½	0·9	3·0	84	
Steps		7·6	1·0	0·6	4	
do		9·6	2·0	0·6	10	
do		11·6	3·0	0·6	17	
					Cubic feet	1468
Brickwork in Superstructure						
outer walls		108·0	1·6	12·6	2025	
Cross wall	1	25·6	1·6	21·6	822	
Gables	2	28·6	1·6	4·9	406	3253
Deductions						
Doors	2	4—0	1·6	8·0	96	
Windows	8	3·6	1·6	5·0	210	
Archwork as per details					86	392
					Cubic feet	2861
Arches over Doors and Windows						
over Doors	2	5·6	1·6	1·1½		
Windows	8	5—0	1·6	1·1½	86	Cubic feet
Stonework						
under posts	4	0·10	10½	0·6	2	Cubic feet

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Wood work						
Wall plates	3	26—0	0·4	0·3	7	
Rafters	36	18·6	0·3	0·7	97	
Railing in clerks room						
Hand rail	1	9·6	0·3	0·2½		
bottom piece	1	9·6	0·3	0·2½	1	
uprights	17	3·0	0·1½	0·1½		
do at end	1	3·6	0·3	0·3	1	
Verandah						
posts	2	0·6	0·6	8·0		
do	2	0·6	0·6	6·6	7	
brackets	2	1—0	0·6	0·4		
do	2	0·7½	0·6	0·6	1	
Bressummers	2	10—0	0·6	0·6	5	
Do piece at ends	2	7—0	0·3	0·4	1	
Valley rafters	2	8—0	0·3	0·5		
do Ridge	1	8·6	0·3	0·5	3	
Rafters	16	9·6	0·2½	0·4		
do Small rafters	10	6·0 average length	0·2½	0·4	15	
Collar piece	1	6—0	0·3	0·3		
finial	1	4·6	0·3	0·3	1	
Barge planks	2	7—0	0·6	0·1	1	
do	2	2·6	1·6	0·1	1	
planking at ends	2	7—0	0·1	2·6	3	
					Cubic feet	144

4

P. W. D. Form
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Venetian and panel doors with frames complete	1	4-0	-	8-0	32	Sq feet
Batten door with frames complete	1	4-0	-	8-0	32	Sq feet
Venetian windows with frames complete						
for office	2	3.6	-	5-0	35	Sq feet
Venetian Windows with glazed inner Shutters						
for office	2	3.6	-	5-0	35	Sq feet
Batten windows with frames Iron bars and inner glazed Shutters.						
for record room	4	3.6	-	5-0	70	Sq feet
Galvanized Iron wire netting between joists	2	26-0	-	0.8	35	Sq feet
Sunshades	2 in Number					
Pitch roofing						
office and Record room	2	29.6	-	~~27.6~~ 18-9	~~2213~~ 1106 ×	
Verandah	1	22.9	-	8.0	242	
do	1	7.6	-	8.0		
				Square feet	~~2455~~ 1348	
			Squares			~~24.55~~ 13.48

× × Corrections made vide C. A. letter No 1568 d/ 18-7-91 and G. O. No 2015 W d/ 27-7-91

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5 - 223/26 22

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Plastering						
Office and Record room	2	75-0	-	14.6	2175	
Door Jambs	2	14-0	-	1.6	42	
Window Jambs	8	17-0	-	1.6	204	
						2421
Deductions						
Doors	3	4-0	-	5.0	60	
Windows	8	3.6	-	5.0	140	200
					Sq feet	2221
					Squares	22.21
Plastering with Portland cement ½ an inch thick						
office and record room	2	75-0	-	3-0	450	
Door Jambs	2	6-0	-	1-6	18	
plinth exterior	-	128-0	-	2.3	288	
Sides of Steps	2	2-0	-	1.6	6	
				Sq feet	762	
				Squares		7.62
Pointing Exterior						
Walls	-	114-0	-	12-0	1368	
Gables	2	28.6	-	4.9	271	1639
Deduct						
Door	1	4-0	-	8-0	32	
Windows	8	3.6	-	5-0	140	172
			Square feet		1467	
			Squares			14.67

P. W. D. Form.
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Flooring with 8" Square bricks						
Office	1	25-6	·	12-0	306	
Door piece	1	4-0	·	1-6	6	
Verandah	1	26-0	·	6-6	169	
Steps	1	11-6	·	3-0	35	
			Sq feet		516	
					Squares	5.16
Flooring with asphalte 3/4 inch thick over a bed of Concrete 4" thick						
Record room	1	25-6	·	12-0	306	
Door piece	1	4-0	·	1-0	4	
			Sq feet		310	
					Squares	3.10
Painting with 3 Coats of Carson's paint						
Rafters	36	18-6	·	1-5	944	
Railing	·	18-0	·	3-0	54	
Verandah posts	2	2-0	·	7-6 }	54	
do	2	2-0	·	6-0		
brackets	2	1-	·	1-3	3	
do	2	1-	·	1-6	3	
bressummers	2	10-0	·	2-0	40	
			Carried over sft		1098	

[P. W. D. Code.—Paras. 321, 931.]

2220/27

23

P. W. D. Form.
No. M 204.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	Number.	Measurements in Feet. Length.	Breadth.	Depth.	Area or Contents.	Total Quantity of each description of Work.
Brought forward Sq feet					1098	
Painting with 3 Coats of Carsons paint (continued)						
piece at end Valley rafter and ridge	2	7-0	·	0-6	7	
Rafters	·	30-0	·	1-0	30	
Collar pieces and finial	·	212-0	·	0-10½	186	
planks	·	10-6	·	1-0	11	
do	2	7-0	·	1-1	15	
do	4	2-6	·	1-6	15	
Venetian and panel door	4	7-0	·	2-6	70	
Batten door	3	4-0	·	8-0	96	
Venetian windows	2	4-0	·	8-0	64	
do with glazed shutters 4×	2	3-6	·	5-0	140	
Batten windows with do and Iron bars 5×	2	3-6	·	5-0	175	
Sunshades 4×	4	3-6	·	5-0	280	
do	4	5-0	·	5-0	100	
	4	2-0	·	2-0	16	
			Square feet		2303	
					Squares	23.03

20,000—14-10-87.

No 428

Ack 2230

P. W. D

Dy. W

Specification attached to quantities is a general one leaving details to Executive officers in each District.

"Pucka terracing" is correctly described in Standard Specifications supplied to officers of the Department. The brick levelling course is a necessary evil in forming terracing when there is no other way of [illegible] slopes. In this building a slight depression of the joists on the outer sides will give the slope required.

Zinc spouts will not be stiff. Zinc pipes are likely to get choked and give constant trouble and can only be repaired by a plumber.

12.6.88
Consulting Architect to Govt

2230/88

Plans &c to Judicial Dept for approval.

13.6.88

1387.6

C. A.

Judicial Dept.

16/7/88

P. W. D.

C 4.5.49.

2238/37

Ey. W. 3

The accompanying are two designs of a Sub-Registering Office a flat roof and the other terraced -

The designs appear to provide for all the requirements asked for, but I think it would be well to lay down clearly in the Specification of the terraced design the details of the terracing as there are many methods of constructing terraced roofs - Very satisfactory results have been obtained from the following method and if approved it may be adopted -

1st Brick on edge laid diagonally over joists

2nd Brick tiling course of ordinary wall bricks laid so as to obtain the proper slope -

3rd Concrete laid over the tiling course to a uniform thickness of 3 inches

4th Two courses of flat tiles breaking joints -

5th Plastering floors.

The brick bottling course is very necessary and should never be omitted in terracing.

Instead of wooden floats it would be very much better to provide lime floats.

Cons. 13/8/88

There will not be stiff enough of floats.
The details of the terracing can be noted to the specification.
The papers can then be forwarded & the drawings lettered.

16.8.88

P. W. D.

2230

From the Cons. Architect No 414 of 8.6.88
" " Inspr. Genl. of Regn. No 2700 of 28.6.88
Endt. in the Judl. Dept — — of 27.7.88.

Order.

The revised type designs, with descriptive specifications & estimates of quantities, for sub registrars' Offices will be circulated to officers of the P.W. Dept. in supersession of previous type designs for similar buildings.

2. Lightning conductors are not considered ~~will be provided when~~ necessary for these buildings.

13.7.88

Supdg. Engrs.
C.A. to Govt.
Judicial Dept.

Issd. 16/7/88

14-10-10
6-4-18

34

Govt. of [1888] Madras.
PUBLIC WORKS.

Vol II

Dated

Read

Encl.

G.O. 21 July 1888, No. 2230W

Type designs

≡

Circulating the revised — with descriptive specifications and estimates of quantities, for sub-registrar's offices in supersession of previous type designs.

210/12